

U.S. ARMY MATERIEL COMMAND

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Current and Future Sustainment Operations

AUSA Panel Briefing, 7 Oct 03



ESSENTIAL IN PEACE, INDISPENSABLE IN WAR

AMC Mission and Vision for the Future

AMC Mission . . .

Provide superior technology, acquisition support and logistics to ensure dominant land force capability for Soldiers, the United States, and

our Allies

AMC Vision for the Future . . .

Dedicated and innovative people:

- ❖ Committed to continuously improving support to soldiers
- ❖ Leading the development of new technologies and sustainment to transform the Army
- ❖ Reshaping the workforce for the 21st century



ONGOING OPERATIONS IN IRAQ & AFGHANISTAN

AMMUNITION

AMC - - provides logistics support for DOD Conventional Ammunition: 5.56mm Cartridges To 2,000 lb. Bombs

Explosive Bomb Production up 350%

Quantity of Ammo Shipped: 367,834 tons (1.065 Billion Items)

LOGCAP

Largest Deployment of Contractors Under AMC

Other Services Supported Besides Army

Largest LOGCAP Mission in History

First Time that the LOGCAP Support Unit has Deployed

Proved Critical to Reducing Logistics Footprint on the Battlefield; Use of Contractors Easing Requirement on Uniformed Service Personnel

MATERIEL MANAGEMENT

Shipped More Than 67,000 Repair Parts

19 Air Landing Sets for Helicopters; Enough to Cover 40 Football Fields

Over 1 Million BA 5390/5590 Batteries Produced

PREPOSITIONING

6,432,000 MREs on Prepositioned Ships Titus and Gibson

Enough Prepositioning to Support One Division for 30 Days

64,000 tons Ammo Afloat and ashore; 324 Tanks and 374 Bradleys

Forward Repair Activities Providing Strategic Value by Leveraging the National Industrial Base; Essential to Maintaining Operational Tempo - Key to Executing Reset Strategy

ONE/OEF/OIF Lessons Learned

- **Army Prepositioned Stock** - Modernization, exercising, and re-evaluation of the APS needs to continue.
- **Battle Damaged Combat Systems** - No catastrophic losses due to lack of action.
- **Logistics Automation** - Need to consider communications requirements for ongoing STAMIS training in design of future logistics enterprise.
- **Rapid Response to LOGCAP Requirements** - Flash to bang time (requirement generation to LOGCAP boots on the ground) could be improved through performance based statements of work.
- **Early LOGCAP Planning & OPS Integration** - Integration of LOGCAP planners during OPLAN development vital.
- **Funding** - AWCF peacetime solvency ensures Warfighter repair parts availability during contingencies.
- **Cargo Packaging** - Significant gains realized in cargo packaging during OIF. Continue to invest in



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ONE/OEF/OIF Lessons Learned

This Chart is included for purposes of continued
Notes Page/Talking Points

Setting the Force

Support to Combat Commanders

ARMY PLAN

The Army will undertake a disciplined, orderly reconstitution to restore combat power.

The Army will implement lessons from Desert Storm, OEF, OIF, and operations in the



1555 Tracked vehicles
9426 HMMWV
7074 Wheeled vehicles
3579 Trailers



ARMY / INDUSTRY PARTNERSHIP

- Coordinated AMC & PEO / PM logistics plan
- Gearing up to workload organic & commercial sources



248 AH-64
204 CH-47
431 UH-60

WAY AHEAD

- Set the Force to support National Defense priorities
- Provide cost effective technology upgrades
- Rapidly restore Army fleet to

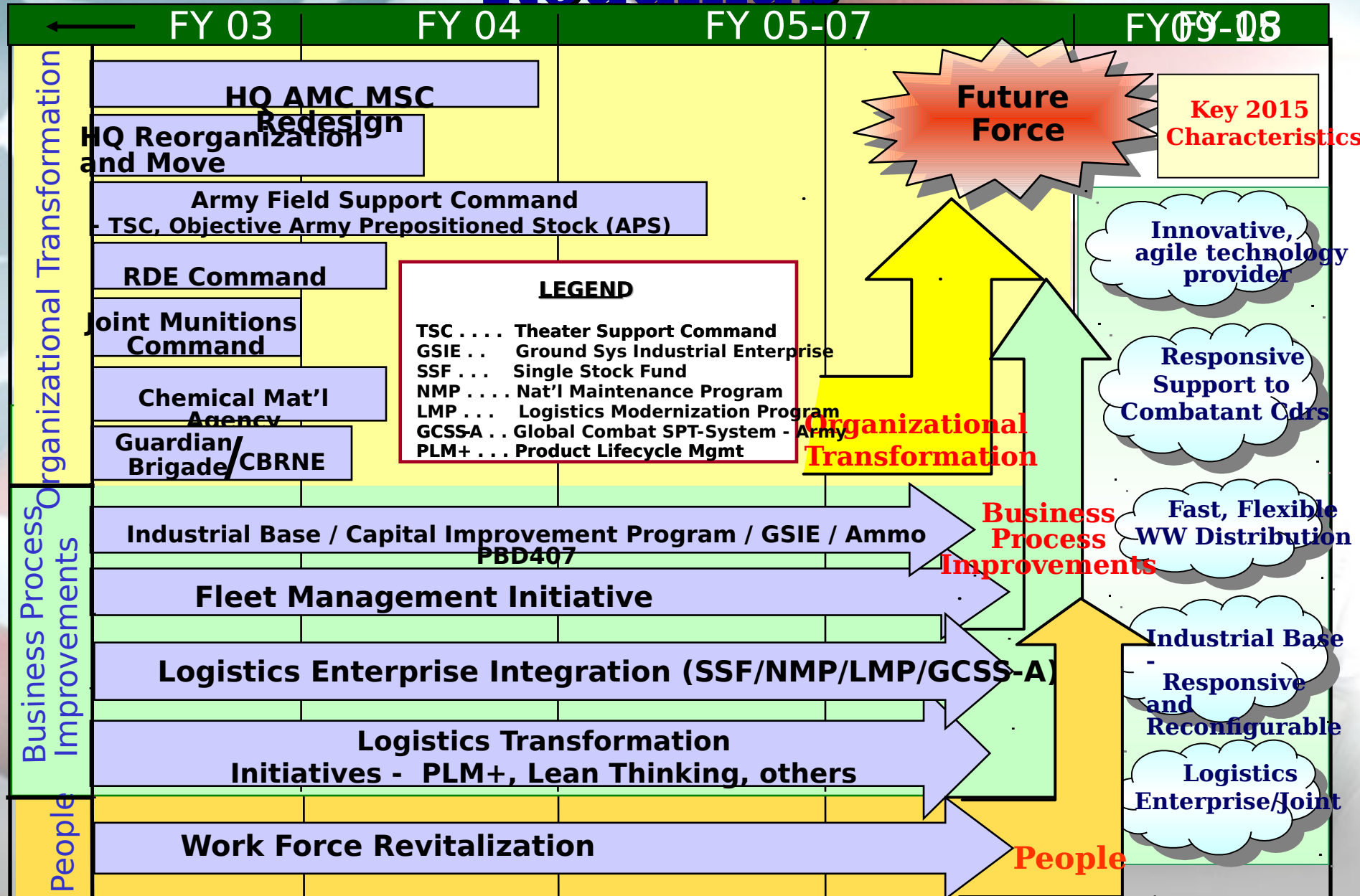


9 Patriot Battalions
82 MLRS
125,000 ST of ammo

CHALLENGES

- Timely evacuation of equipment back to CONUS repair facilities
- Managing reconstitution within established business rules
- Continuing to support current operation without diminished support to rest of Army fleet

AMC Transformation Roadmap



Transforming AMC's Industrial Base

Why transform...

- ❖ National Security Missions
- ❖ Defense Future Systems Requirements
- ❖ Migrate to Public-Private Partnerships
- ❖ Reduce under-utilized capacity and costs

Commercialize When Economically Feasible at Minimum Cost & Risk

~ 65 Partnerships and 8 MOAs

Our Strategy . . . Lean/Agile Manufacturing Concepts

Ammunition Plants

- ❖ Implement SecArmy approved way ahead
 - ✓ Integration
 - ✓ Consolidation
 - ✓ Divestiture
 - ✓ Leasing
- ❖ Implement Armament Retooling & Manufacturing Support

Arsenals

- ❖ Implement GSIE - Ground Systems Industrial Enterprise
- ❖ Implement ASPI - Arsenal Support Program

Maintenance Depots

- ❖ Implement Army Depot Maintenance Public-Private Partnership Plan

- ❖ Implement Lean Philosophy
- ❖ Pursue Public Private Partnerships
- ❖ Implement Capital Improvement Program

Way Ahead . . .

- ❖ Pursue Legislative/Financial Reform
- ❖ With ASA(I&E), Negotiate Plant Divestiture & Leasing Arrangements

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Transforming AMC's Industrial Base

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Transforming AMC's Industrial Base

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Army Field Support Command (AFSC)

Strategic, Operational, Tactical Logistics...



**Single
Face To
The Field**

AMC National Level Logistics Capabilities

- ❖ RDEC's / Research Laboratories
- ❖ Integrated Materiel Management Centers (IMMCs)
- ❖ National Maintenance Program (NMP)
- ❖ Maintenance Depots and Arsenals

- ❖ Enhances/integrates end-to-end distribution

MC Strategic Support in Theater

- ❖ Forward Maintenance Support
- ❖ Logistics Assistance Program
- ❖ Test Measurement Diagnostic Equipment (TMDE)
- ❖ Army Pre-position Stock
- ❖ Fielding and Staging
- ❖ Science & Technology Advisors

Theater Support Cmd

- ❖ Reception Staging Onward Integration
- ❖ Supply & Maintenance Support
- ❖ Transportation & Movement Control
- ❖ Distribution Management

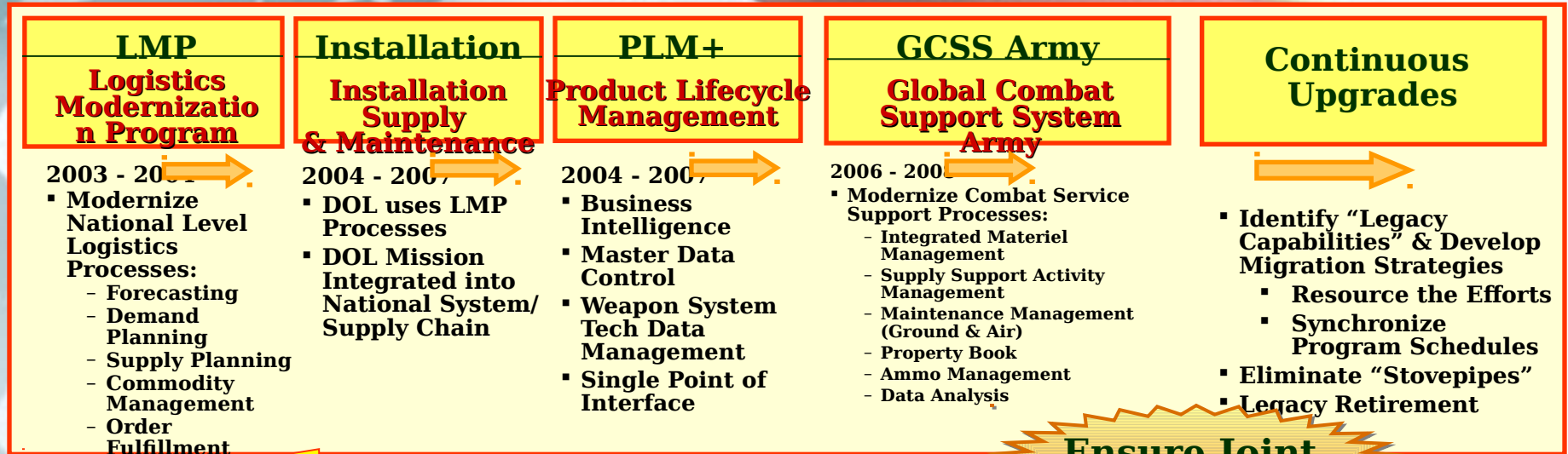
Benefits:

Postures Army for *Joint* logistics

- ❖ Improves warfighter support

Army Logistics Enterprise Integration

Integrating Army Logistics Automation



End-to-End Integration

Ensure Joint Interoperability

Supply Chain Optimization

Services

DLA

USTRANSCOM Theater Commander

Research,
Development,
Test and
Evaluation

Acquisition

Storage

Inter-Theater
Movement

Intra-Theater
Movement

Tactical
Movement and
Distribution

Factory

DDC

POE

POB

TDC

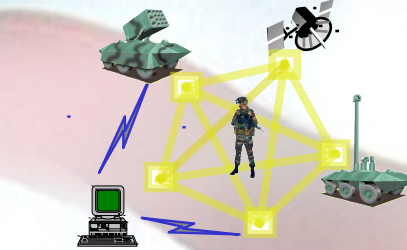
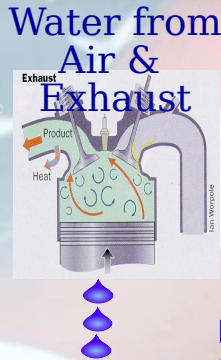
SSA

Foxhole

Technology

Footprint Reduction

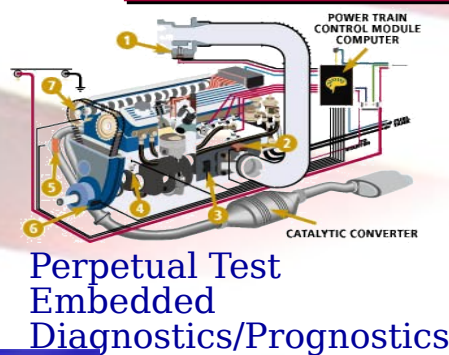
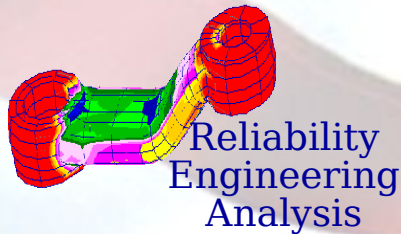
Examples:



OBJECTIVE:

- ❖ Logistics Situational Awareness, Total Asset Visibility, and Global Reach
- ❖ Point of consumption water (air, exhaust, purification)
- ❖ Reduce delivered food weight/volume

Examples:



Reduce Maintenance Demand

OBJECTIVE:

- ❖ Higher Fuel Efficiency in Power Generation
- ❖ Very high reliability designed into systems
- ❖ Modularity & Commonality in design
- ❖ Better embedded diagnostics/prognostics
- ❖ Automate Preventive Maintenance Checks
- ❖ Pit Stop-like efficiencies: Mean Time to Repair (MTTR)

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Technology

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Parting Thoughts

- ❖ **Joint Concepts** . . . Army posturing itself for joint logistics support
- ❖ **Army Logistics Enterprise Integration** . . . Common operating picture . . . Integrated common processes for more efficient/effective logistics
- ❖ **Technology** . . . Leveraging emerging capabilities to reduce footprint and move the right technology to the soldier, faster

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BACK-UP SLIDES



GLOBAL UPDATE - TODAY (FY03)

36 Aircraft in Reset

**212 T700 Aircraft Engines
Produced**

**9,000 Tons of Chemical Agent
Neutralized/Destroyed**

3 SOCOM Crash Damaged Aircraft in Rebuild

**30 Sets Blue Force Tracking Shipped to
Theater**

394,000 BA 5390/5590 Batteries Shipped

52 M1 Tanks in Depot Maintenance

**7 Firefinder Recap FY03 Radars in Depot
Repair**

**37.8M Rounds of 5.56mm Ammo Produced in Sep
03**

6,588 tons of Ammo Issued in Sep 03

Army Prepositioned Stocks Transformation

WHY CHANGE?

- Support current and projected global security environment
- Improve the national capability to respond to GWOT requirements
- Enable the Transforming Army to meet demands of new Defense Strategy
- Support emerging Joint operational concepts

APS TRANSITION

- Provide greater theater opening and distribution capability
- Increase pre-positioned Combat Service Support assets to mitigate risk
- Reduce To-Accompany-Troops materiel movement requirement
- Integrate Reserve Component unit

WAY AHEAD

Near Term 2004 - 2006

- Land Based (Europe, SWA, Korea)
- Flotillas (Guam, Diego Garcia, Mediterranean)

MID Term 2007-2009

- Land Base sites Heavy Trucks
- BSBs and CSSCs one ship
- Increase CSS units
- Up Armor Fleet Pool
- Joint Integration

Enhance responsiveness by

2009-2010

- Flotillas
- Stryker/OF unit afloat
- Continued Joint Integration